PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
P189344.WO.04	7.07.01	s well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year	(Earliest) Priority Date (day/month/year)
PCT/US2010/024134	12/02/2010	12/02/2009
Applicant		
OSTEOTECH, INC.		
This international search report has been according to Article 18. A copy is being tr	prepared by this International Searching ansmitted to the International Bureau.	Authority and is transmitted to the applicant
This international search report consists of	of a total of sheets.	
X It is also accompanied by	a copy of each prior art document cited in	n this report.
Basis of the report		
-	international search was carried out on that application in the language in which it was	
a translation of th	e International application into	, which is the language
b. This international search	rnished for the purposes of international s report has been established taking into ac	count the rectification of an obvious mistake
authorized by or notified t	to this Authority under Rule 91 (Rule 43.6)	ois(a)).
c. With regard to any nucle	otide and/or amino acid sequence discl	osed in the international application, see Box No. I.
2. X Certain clalms were fou	ind unsearchable (See Box No. II)	
3. Unity of invention is lac	king (see Box No III)	
4. With regard to the title,		
X the text is approved as su	ibmitted by the applicant	
the text has been establis	shed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as su	ibmitted by the applicant	
the text has been establis may, within one month fro	shed, according to Rule 38.2(b), by this Au orn the date of mailing of this international	thority as it appears in Box No. IV. The applicant search report, submit comments to this Authority
6. With regard to the drawings ,		
a. the figure of the drawings to be p	oublished with the abstract is Figure No	
as suggested by		•
as selected by thi	is Authority, because the applicant failed t	o suggest a figure
	s Authority, because this figure better cha	racterizes the invention
b. X none of the figures is to b	e published with the abstract	

A. CLASSIFICATION OF SUBJECT MATTER INV. A61F2/28 A61F2/44 ADD.

A61L27/36

A61L27/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) A61F A61L

Documentation searched other than minimum documentation to the extent thal such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Х	US 2007/142916 A1 (OLSON STANLEY W JR [US] ET AL) 21 June 2007 (2007-06-21)	1-9,15, 17			
Y	paragraphs [0022], [0025], [0049], [0053], [0057], [0062], [0065], [0067], [0069] figures 3,7,9,10	11-14			
X	US 2004/249464 A1 (BINDSEIL JAMES J [US] ET AL) 9 December 2004 (2004-12-09) figures 6,7 paragraphs [0014], [0024], [0025], [0029], [0030]	1-10,12, 18-20			

Further documents are listed in the continuation of Box C.	X See patent family annex.
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 26 April 2010	Date of mailing of the international search report $06/05/2010$
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Fax: (+31–70) 340–3016	Authorized officer Louka, Maria

C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(WO 01/28461 A2 (SDGI HOLDINGS INC [US]; BRANCH CHARLES L [US]; WHITE JOHN L [US]; ESTE) 26 April 2001 (2001-04-26) figure 5 page 14, lines 28-32 page 15, lines 11-13	1,8,18
X	US 5 211 664 A (TEPIC SLOBODAN [CH] ET AL) 18 May 1993 (1993-05-18)	1-3, 7-10,13, 18-20
	figures 1,6,7 column 2, lines 21-28 column 3, lines 4-9,48-65 column 4, line 53	
X	WO 02/069818 A2 (SYNTHES USA [US]) 12 September 2002 (2002-09-12) page 13, line 31 - page 14, line 26; figures 8a,9a	1,16-20
Y	US 2007/118222 A1 (LANG PHILIPP [US]) 24 May 2007 (2007-05-24) claim 29 paragraph [0055]	11-14
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International application No. PCT/US2010/024134

INTERNATIONAL SEARCH REPORT

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 21-24 because they relate to subject matter not required to be searched by this Authority, namely: Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not Invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this International search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest
fee was not paid within the time limit specified in the invitation.
No protest accompanied the payment of additional search fees.

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2007142916	A1	21-06-2007	WO	2007076272 A2	05-07-2007
US 2004249464	A1	09-12-2004	AU CA CN EP JP JP KR WO	2004245088 A1 2528204 A1 101056597 A 1633285 A2 4358855 B2 2007526005 T 20060027324 A 2004108019 A2	16-12-2004 16-12-2004 17-10-2007 15-03-2006 04-11-2009 13-09-2007 27-03-2006 16-12-2004
WO 0128461	A 2	26-04-2001	AT AU CA CN DE DE EP JP US	305276 T 775465 B2 2467801 A 2387042 A1 1390114 A 60022891 D1 60022891 T2 1221910 A2 2003511198 T 7537616 B1 2009299474 A1	15-10-2005 05-08-2004 30-04-2001 26-04-2001 08-01-2003 03-11-2005 29-06-2006 17-07-2002 25-03-2003 26-05-2009 03-12-2009
US 5211664	A	18-05-1993	DE DE EP	69208350 D1 69208350 T2 0551611 A1	28-03-1996 14-08-1996 21-07-1993
WO 02069818	A2	12-09-2002	AT AU CA EP ES US US US US	416702 T 2001283368 A1 2439278 A1 1424948 A2 2317927 T3 2005131548 A1 2009005882 A1 2004107003 A1 2002120346 A1 2002120338 A1 2002120347 A1	15-12-2008 19-09-2002 12-09-2002 09-06-2004 01-05-2009 16-06-2005 01-01-2009 03-06-2004 29-08-2002 29-08-2002
US 2007118222	A1	24-05-2007	WO	2007062080 A2	31-05-2007